

Liquid Nickel Chloride

Palm International's Liquid Nickel Chloride is specially produced for the surface finishing, catalyst, and other industrial markets. LNC is the purest form available commercially. Palm's LNC is manufactured to demanding specifications from carefully selected raw materials and is subjected to stringent quality control testing.

Store and handle as an acid solution in a cool dry ventilated area away from foodstuffs. Keep containers tightly closed.



Concentration

13.3 percent nickel or 1.5 pounds of nickel metal per gallon or 6 pounds of $\text{NiCl}_2 \cdot 6\text{H}_2\text{O}$ salt per gallon.

Appearance

Green Clear Liquid

Contaminants

Measured in ppm

Parameter	Specification	Typical
Nickel	178 - 181 g/L	179.5 g/L
pH	2.0 - 3.0	2.6
Cadmium	< 1 ppm	ND
Calcium	< 5 ppm	3 ppm
Chromium	< 2 ppm	0.3 ppm
Cobalt	< 10 ppm	0.5 ppm
Copper	< 1 ppm	0.5 ppm
Iron	< 10 ppm	0.6 ppm
Lead	< 1 ppm	ND
Magnesium	< 5 ppm	1.7 ppm
Zinc	< 1 ppm	0.6 ppm
Insoluble Matter	ND	ND
Specific Gravity	1.330 - 1.350 SG	1.34 SG

Shelf Life

If stored at a temperature above 32°F, and in its original container, this solution has an indefinite shelf life.

Packaging

5 gallon container, 55 gallon drum, 275 gallon tote or 4,000 gallon tanker.

Storage/Safety

Store and handle as a corrosive acidic solution.